

INTREPID Installation guide (S05)

This document applies from INTREPID v4.5 Build 555 onwards. Last updated November 2012.

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1. Introduction

Parent topic:
**INTREPID
Installation
guide (S05)**

- The INTREPID product includes all documentation, tutorials, cookbooks and sample datasets for:
 - *Windows* XP, Vista, 7, 2000, Server 2003
 - *Solaris* V2.8 to V10.0
 - *RHEL (Red Hat Enterprise Linux)* 5.5, *Ubuntu* 9.1 & *SUSE Linux Enterprise Server* 11
- Intrepid 64 bit versions are available for *Windows* Vista, 7 and Server 2003, *Linux* RHEL, *Ubuntu* 9.1, *SUSE Enterprise Server* 11 and *Solaris*. Note *Windows* 64 bit XP is not supported.
- You must use the Sun Java virtual machine. The Microsoft, IBM or *Linux* versions are not compatible with INTREPID. The *Windows* version of INTREPID comes bundled with its own local version of the Sun Java virtual machine.
- The CD-ROM includes the user manual and tutorials current at the time of publishing. The main index page has file name **colibrry.pdf**. The latest edition of the manual is always available for viewing and download on the website www.intrepid-geophysics.com
- On *Windows* XP, Vista, 7, 2000, Server 2003, use *Adobe Reader* 6.0 or later to view the PDF documents.
- If you are a *Windows* user and still need help after reading this document, see [Troubleshooting INTREPID installation \(Windows version\) \(S04\)](#).
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2. Installation notes for Windows XP, Vista, 7, 2000, Server 2003

Parent topic:
[INTREPID
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install_path is the location of your INTREPID installation. For example,
install_path could be **C:\Program Files\Intrepid\Intrepid 4.5.nnn**

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2.1

2.2 Installing INTREPID

Parent topic:
[Installation
notes for
Windows XP,
Vista, 7, 2000,
Server 2003](#)

This procedure is for installing INTREPID v4.5 on *Windows* XP, Vista, 7, 2000, Server 2003.

Intrepid's Installation proceeds as follows:

- a. The user accepts the licence conditions. Done.
- b. The installer instructions are displayed step by step below. Please read before clicking Next to continue.
- c. The Intrepid MSI installer is configured so that the Intrepid application can be installed on XP by a user who does not have administrative privileges; this is so users who have previously installed the Sentinel dongle driver can install updates without having to contact their IT administrator or for those users who are using a node locked licence (no dongle).

This does not work on Vista and Windows 7. On these operating systems administrative privileges are required if the user is installing software in the Program Files area. This problem can be overcome by installing Intrepid elsewhere (C:\Intrepid) ONLY if the required Visual C++2009 system libraries have been previously installed by an administrator (see below).

For a user with administrative privileges who is installing on Vista or Windows 7 there are problems caused by the installer starting up as a normal user (non administrator). To install in the default Program Files area an administrator must first

- i. Either go to User Account Control Settings in Control Panel and lower the setting to the lowest level, "Never Notify" and reboot. Then run the msi installer as usual.

OR

- ii. Start a CMD shell using the "Run as administrator" option. Right click on the cmd.exe in the Start menu, select "run as administrator", then navigate to and run the msi installer in this new cmd shell.

ie D:\IntrepidCD-4.5.nnnn-WIN32_X86.msi

- d. The user may choose where Intrepid is installed. It is recommended that you accept the default location, C:\Program Files\Intrepid\Intrepid4.5.nnnn where nnnn is the build number.

Intrepid tools are insensitive to spaces in directory or file names. However if you have related applications which are space sensitive you can choose to install Intrepid in another location without any adverse consequences.

ie C:\Intrepid\Intrepid4.5.nnnn

- e. The user is presented with the opportunity to turn off the installation of the Visual C++2008 Redistributable Package. This option is toggled on by default as the contained system libraries are required for Intrepid to run. If you are not an administrator then this part of the installation will fail.

These libraries only need to be installed once so if you are installing an updated version of Intrepid (V4.5 or later) then you can toggle this option off. The Visual Redistributable Package is copied to the Intrepid installation directory as part of the normal Intrepid installation so it can be installed later by an Administrator without rerunning the full installation.

This procedure is described in detail below. Navigate to the Intrepid installation directory "vcredist" and run the installer "vcredist.exe" in this directory. The default directory path for a 32 bit Windows Operating System will be:

C:\Program Files (x86)\Intrepid\Intrepid4.5.nnn\vcredist\

or else if the Operating System is 64 bit

C:\Program Files\Intrepid\Intrepid4.5.nnn\vcredist\

- f. Click Next then Install. Intrepid will install in the chosen path and the installer window will return control to the user.

- g. Click Finish. You do not need to reboot.

2.3 Installing the Sentinel Dongle Driver

Parent topic:
Installation
notes for
Windows XP,
Vista, 7, 2000,
Server 2003

Installation proceeds as follows:

You must have administrative privileges to install this Driver!

- a. Navigate to the Intrepid installation directory "dongledriver" and run the installer msi "Sentinel Protection Installer 7.5.0.msi" in this directory.

The default path to "dongledriver" for a 32 bit Windows Operating System will be:
C:\Program Files\Intrepid\Intrepid4.5.nnnn\dongledriver\

WARNINGS:

- i. If you are installing the driver on Vista or Windows 7 then your login must have administrator privileges!

Follow the instructions in 3.1.c.ii above if your UAC settings do not allow you to install by double clicking on the msi.

- ii. Some organisations may place a user's My Documents folder on a central networked drive. This can have serious consequences if the user takes the computer to a remote location and/or the user has no network access to the organisation's network.

The Sentinel Dongle driver installer requires access to the My Documents folder during installation. If the directory is not available or does not exist the Sentinel Dongle driver installation will fail and the user will not be able to licence Intrepid using a dongle.

- b. On executing the Sentinel driver msi, the Sentinel installer will open. Click Next

- c. Accept the Sentinel licence conditions and click Next.

- d. Accept the default Complete install option unless your system administrator has recommended otherwise or you are familiar with the advanced options.

- e. Click Next. Click on No 'do not modify firewall settings' as Intrepid is always licenced locally and the licence cannot be shared across a network.

- f. Click Install and the Sentinel driver process will run.

- g. Click Finish on completion of the install.

- h. Reboot your computer.

2.4 Manual Installation of the Visual C++ Redistributable Libraries

Parent topic:
Installation
notes for
Windows XP,
Vista, 7, 2000,
Server 2003

- a. If the same versions of Intrepid, Visual C++ redistributable libraries or the Sentinel driver are already installed on your computer then when you run the MSI installers you may be presented with the Change/Repair/Remove buttons at the relevant installation stages.

You do not need to continue unless you wish to Repair or Remove the existing installation and re-install.

- b. If the installation proceeds without any errors and Intrepid then fails to startup when launched from the desktop icon then you may have chosen not to install the Visual C++2008 redistributable libraries.

ie you did not have the required administrative privileges.

The error you see in this situation could be:

"Application couldn't initialize correctly (0xc0150002)...."

or less commonly

"Side-by-side configuration is incorrect, program will not run.."

To fix this problem you must install the Visual C++2008 Redistributable Package and to do this you will need someone with administrative privileges. This package is copied to the Intrepid installation directory as part of the normal Intrepid installation but is normally installed by default.

Proceed as described in section 3.1.e last paragraph. Once the libraries are installed you should be able to run the new version of Intrepid without rebooting.

2.5 Trouble Shooting Installation Problems

Parent topic:
[Installation notes for Windows XP, Vista, 7, 2000, Server 2003](#)

In some situations (depending on how permissions have been assigned to a user with administrative privileges) it may not be possible for the licensing tool to write to the Intrepid installation directory in Program Files. This problem usually becomes apparent when the user tries to install the licence code. You may find it necessary to navigate to Program Files, write click on the Intrepid directory containing the installation, select properties then click on the Security tab and Edit the permissions for your user account to give Full Control.

The *Windows* version of INTREPID comes bundled with its own local version of the Sun Java virtual machine. You do not need to independently install this software.

2.6 Authenticating your licence

Parent topic:
[Installation notes for Windows XP, Vista, 7, 2000, Server 2003](#)

INTREPID has two licence options:

- (*Windows* and *Linux* only) You can use a hardware dongle. We provide *Rainbow* dongles. They are available for parallel as well as USB ports. You can use INTREPID on any computer as long as the dongle is attached to it.
- You can get a security code (cookie) based upon your computer's HostID. This is a node-locked licence. With this option, you can only use INTREPID on the licensed computer.

Dongles

If you are using a dongle, when you install INTREPID on a machine for the first time, you must install with **Administrator privileges**.

Your licence and the licence code (cookie)

To obtain a license to run the Intrepid software the user can use the **Intrepid Licence Manager** to email a licence request to us.

The user can then add the licence by using the **Install Licence** tab of the **Intrepid Licence Manager**

You can also directly edit the file that contains the cookie. It is `install_path\config\intrepidlock`. INTREPID operates when this file contains a valid cookie (and the dongle is attached, if any). Simply paste your cookie on a new line at the beginning of the file.

To authenticate your licence:

- 1 If you have a dongle, insert it.
- 2 Start INTREPID. Run **Intrepid Project Manager** from the **Start** menu or your desktop, or run `install_path/bin/jfmanager.exe`. If your licence is not authenticated, the Intrepid Licence Manager starts.

2.7 Internationalisation of Java tools

Parent topic:
Installation
notes for
Windows XP,
Vista, 7, 2000,
Server 2003

INTREPID Java GUIs are available in both French and English for all Java-based applications.

For *Solaris* 2.8, using CDE, set options in the login window. An English/Western Europe distribution includes support for Latin alphabet-based languages, such as **en**, **es**, **fr**, **de**.

Windows XP, Vista, 7, 2000, Server 2003 support most languages from the control panel

For Red Hat *Linux*, in your `.bashrc` file, add:

```
LANG=fr
export LANG
```

For Debian, in your `/etc/environment` file, add:

```
LANG=fr_FR
LC_ALL=fr_FR
LC_TYPE=fr_FR
LANGUAGE=fr_FR
```

Install locales (`apt-get install locales`) and select the option you require. For example: **fr_FR**, **en_US**.

If you need to reconfigure this, use `dpkg-reconfigure locales`.

2.8 Installation troubleshooting - Fonts

Parent topic:
Installation
notes for
Windows XP,
Vista, 7, 2000,
Server 2003

- INTREPID assumes that MS Sans Serif font is always present in *Windows*. This may not be the case under *Windows* 2000. If the font is not available, you can install **sserife.fon** from `install_path\font`. Use **Fonts** in the *Windows* control panel.

2.9 Managing INTREPID's memory usage

Parent topic:
Installation
notes for
Windows XP,
Vista, 7, 2000,
Server 2003

The default system parameter INTREPID_MEMORY is set on installation to 512 Mb; this setting may be too large on machines with only 2 Gb of RAM. If you have problems with *Windows* reporting insufficient memory then we recommend that you set the variable to 256 depending on the size of the data or grid you are processing. To change the default value, add the environment variable INTREPID_MEMORY:

- 1 Use **MyComputer Properties > Advanced > Environment Variables > System Variables > New**
- 2 Set **Variable name** to **INTREPID_MEMORY** and **Variable Value** to **256**

This parameter enables INTREPID to manage memory use when gridding or filtering large datasets or grids. Some processes may run more slowly as a result.

- 3 For Intrepid 64 bit versions the INTREPID_MEMORY variable can be increased to 1792 if the installed physical memory is >8Gb. Larger increases are not recommended at this stage

2.10 Managing INTREPID's temporary file storage

Parent topic:
[Installation notes for Windows XP, Vista, 7, 2000, Server 2003](#)

The default system parameter INTREPID_TMPDIR is set so that temporary files are written to the Temp directory in the Intrepid install path

ie **C:\Program Files\Intrepid\Intrepid4.5.999\temp** where **999** is the build number

If this is not writable (which is typically the case under Vista) intrepid looks at directories %TMPDIR%, %TMP%, and %TEMP% in turn until it finds a writable directory to use for writing temporary files.

When large grids are processed with the grid filter tool (gfilt.exe or GridFFT) then a large amount of temporary file space can be used depending on the chosen filter and the INTREPID_MEMORY setting. It is recommended that the user has at least 10 times the input grid size available for temporary files and that they be directed away from the system drive C: where swap space is often in use and disk space is usually limited.

To do this create a system environment variable INTREPID_TMPDIR as described in 3.8 above and set it to an existing directory location (D:\Intrepid\Temp) on a separate physical disk drive other than C:. If you often process very large grids then further benefits may be obtained if the input and the final output grids are also not located on the same physical drive as the temporary files. This might mean setting up a separate high speed drive reserved for temporary file use.

The problem of a lack of temporary file space can be exacerbated when the user has repeated GridFFT failures during processing. Under these circumstances the grid filter tool may stop prematurely and large temporary files can be left behind in the Intrepid temp directory. If you have repeated GridFFT failures then check the Intrepid temp area for a build up of large dead files.

2.11 Launching tools from the command window

Parent topic:
[Installation notes for Windows XP, Vista, 7, 2000, Server 2003](#)

To launch tools from the windows command window first modify the PATH environment setting using **MyComputer Properties**. You need to add the following text string to the System PATH (separate paths with semicolons ';'):

install_path\bin

(where ***install_path*** is the location of your INTREPID installation)

For example:

C:\Program Files\Intrepid\Intrepid4.5.999\temp where **999** is the build number.

2.12 Associating datasets with the Visualisation tool in Windows

Parent topic:
[Installation notes for Windows XP, Vista, 7, 2000, Server 2003](#)

If you associate dataset files with the [Visualisation](#) tool in *Windows*, you can open them by double clicking in *Windows Explorer* or *My Computer*.

INTREPID datasets contain several files. For grid datasets, associate the **.ers** file and for vector datasets associate the **..DIR** file.

If the datasets are already associated, Windows shows them in *Windows Explorer* or *My Computer* with an INTREPID icon.

>> To associate INTREPID datasets with the Visualisation tool:

Note: These instructions describe generally how to associate files with software. The details of the steps may vary with versions of Windows and configuration options.

- 1 In *Windows Explorer* or *My Computer* locate an INTREPID dataset **.ers** file or **..DIR** file.
- 2 From the file's shortcut menu (right click) choose **Open with > Choose program**. (or **Open with** and then select **Choose program from a list** from a dialog box that appears). If **visual** with the INTREPID icon is not listed, choose **Browse** and locate, select and open **visual.exe**. If you are working from an INTREPID installation, you will normally find this in *install_path\bin*. For example, it may be in **C:\Program Files\Intrepid\Intrepid 4.5.nnn\bin**.

Tip: If Windows will not show **visual** in the application list of the **Open with** dialog box, you can use the *OpenWithAdd* application. Download it from <http://windowsxp.mvps.org/openwithadd.htm>.

- 3 In the **Open with** dialog box select **visual** with the INTREPID icon.
- 4 Check **Always use this program to open this kind of file** and choose **OK**.
- 5 Repeat for the other file type **visual** with the INTREPID icon, **.ers** or **..DIR**.
- 6 Try double clicking an **.ers** or **..DIR** file. It should open in the Visualisation tool.

Note: When you install an INTREPID update it may have a new installation path. If it does, you need to reassociate INTREPID datasets with the latest version of the Visualisation tool in its new location.

2.13 Accessing Geosoft files

Parent topic:
[Installation notes for Windows XP, Vista, 7, 2000, Server 2003](#)

Accessing a *.gdb in INTREPID

INTREPID ships with its own native *Geosoft* driver. INTREPID can access ***.gdb** files in its default configuration. This driver has full support for tensors.

Geosoft notes

For important notes about accessing Geosoft data, see the INTREPID User manual "[Access to Geosoft datasets](#)" in INTREPID [direct access, import and export formats \(R11\)](#).

Accessing INTREPID tools from within an Oasis montaj session

The following method will work with both a Fully licenced version of Geosoft or the Geosoft Free Viewer

- 1 Add the **bin** folder of the INTREPID installation path to your system PATH.
 Modify the PATH environment setting using **MyComputer Properties**. You need to add the following text string to the PATH (separate paths with semicolons ';'):
`install_path\bin`
 (where `install_path` is the location of your INTREPID installation)
For example:
`C:\Program Files\Intrepid\Intrepid4.5.999\temp` where 999 is the build number.
- 2 Copy *.OMN files in the **lynxdata** directory of your INTREPID installation to the **OMN** directory under Geosoft\Oasis **montaj** or Geosoft\Oasis **montaj Viewer**.
- 3 Copy *.GX files in the lynxdata directory of your INTREPID installation to the **GX** directory under Geosoft\Oasis **montaj** or Geosoft\Oasis **montaj Viewer**.
- 4 Copy **arcutil.dll** from your `install_path\bin` directory to the Geosoft\Oasis **montaj\bin** or Geosoft\Oasis **montaj Viewer\bin** directory.
- 5 Start up *Oasis montaj*,
- 6 Go to **GX load** menu and choose the **Intrepid** option. All of the INTREPID tools become available as GXs.

2.14 Installation notes for Windows 98 or ME

Parent topic:
[Installation notes for Windows XP, Vista, 7, 2000, Server 2003](#)

INTREPID has limited functionality under *Windows 98* and *ME*. All tools work in batch mode but only the Java tools work interactively. For example Project Manager, Grid Filters (FFT), and INTREPIDLynx.

When you install INTREPID on *Windows 98* or *ME*, you need to edit

C:\AUTOEXEC.BAT as follows:

- 1 Add the full path of `install_path/bin` onto the PATH
- 2 Set the INTREPID variable to the INTREPID install directory
- 3 Restart the computer. Example

```
SET COMSPEC=C:\WINDOWS\COMMAND.COM
SET windir=C:\WINDOWS
SET winbootdir=C:\WINDOWS
SET PATH=C:\WINDOWS;C:\WINDOWS\COMMAND;C:\Intrepid\bin
SET INTREPID=C:\Intrepid
SET PROMPT=$p$g
SET TEMP=C:\WINDOWS\TEMP
SET TMP=C:\WINDOWS\TEMP
```

3. Installation notes for Solaris & Linux

Parent topic:
INTREPID
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install_path is the location of your INTREPID installation. For example, *install_path* could be `c:\intrepid`. In this section:

- [3.1 Step 1: Begin the installation — page 10](#)
- [3.2 Step 2: Unpack INTREPID using Izpack — page 10](#)
- [3.3 Step 3: Register INTREPID — page 10](#)
- [3.4 Additional Installation notes for Solaris — page 11](#)
- [3.5 Additional Installation notes for Linux — page 11](#)

The installation process for *Solaris* and *Linux* consists of 3 steps.

3.1 Step 1: Begin the installation

Parent topic:
Installation
notes for
Solaris &
Linux

For all Unix and *Linux* flavours:

- 1 Open an **xterm** (shell based window).
- 2 Make sure the **Intrepid_v4.5.999.jar** file is in the current directory where 999 is the build number.
- 3 Execute **java -jar Intrepid_v4.5.999.jar** where 999 is the build number and follow the instructions on the screen. **Note for Linux users:** Please see the additional *Linux* notes before executing this command to ensure that you call the correct Java virtual machine.

3.2 Step 2: Unpack INTREPID using Izpack

Parent topic:
Installation
notes for
Solaris &
Linux

We use *IzPack* installation software to deliver and unpack INTREPID on the *Solaris* and *Linux* platforms. The **lzpack** dialog box is self-explanatory. Follow the prompts.

If you have your cookie, you can enter it as part of the installation.

3.3 Step 3: Register INTREPID

Parent topic:
Installation
notes for
Solaris &
Linux

- 1 If you have a dongle, attach it and ensure that you have installed the dongle driver.
- 2 If you have not yet entered your cookie, directly edit it into the security file, *install_path/v4.5/config/.intrepidlock*. INTREPID operates when this file contains a valid cookie (and the dongle is attached, if any). Simply paste your cookie on a new line at the beginning of the file.
- 3 In the directory *install_path/v4.5* directory are script files for your shell.
If you use *cshell*, add **source setup.csh** to your **.login** file.
If you use *bash* or *tshell* include **setup.sh** within your **.profile** or **.bashrc** file.

If you are not using a dongle, generally we will have already asked for your HostID and use it to produce your cookie.

Test your installation by running the **Project Manager jfmanager.exe** in a terminal window.

Project Manager requires a Java virtual machine, so this tests your installation of that, too. If you are having problems, try to run some tools that do not require Java, for example **Visualisation (visual.exe)** or **Dataset Statistics (histo.exe)**. Contact our technical support service if you cannot resolve the problem.

Note: Map Creator for *Solaris* and *Linux* does not yet include support for 3D GeoModeller. This is due mostly to issues associated with Altova and XML parsing.

3.4 Additional Installation notes for Solaris

Parent topic:
Installation
notes for
Solaris &
Linux

We do not support INTREPID under versions earlier than *Solaris* 2.8.

3.5 Additional Installation notes for Linux

Parent topic:
Installation
notes for
Solaris &
Linux

For any *Linux*-specific questions or issues, please contact our technical support service.

Linux distributions supported

We have tested this full release of INTREPID on Red Hat Enterprise Linux (RHEL) 5.5, Ubuntu 9.1, SUSE Linux Enterprise Server 11. We have not tested other *Linux* flavours yet and we do not guarantee that they work.

Sun Java virtual machine required

INTREPID requires the Sun Java virtual machine. Most *Linux* distributions come bundled with their own local Java virtual machine. For example, if you type the command **which java**, the response may be:

```
/usr/bin/java
```

You must use the Sun version of the Java virtual machine and not the version bundled with the operating system. The Sun Java virtual machine is included on the CD-ROM. Alternatively, you can download it from: <http://Java.com/en/download/index.jsp> (Download the latest JRE Update)

4. Installation notes for JDBC

Parent topic:
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INTREPID supports relational database integration with a range of database products, including *Oracle*, *Postgress*, *mySQL*, *SQLServer*, *Microsoft Access*. The database must be accessible over your network. INTREPID conducts all SQL transactions using a JDBC protocol.

For full instructions see INTREPID User manual [Direct access to relational databases \(R16\)](#).

5. Installation notes for INTREPIDLynx

Parent topic:
INTREPID
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install_path is the location of your INTREPID installation. For example, the default *install_path* is **C:\Program files\intrepid\intrepid4.5.999** where 999 is the build number

For other information about using INTREPIDLynx see [INTREPIDLynx—access for ArcView, MapInfo and ERMapper \(T29\)](#).

In this section:

[5.1 Installing INTREPIDLynx for ERMapper — page 12](#)

[5.2 Installing INTREPIDLynx for ArcView 10 — page 13](#)

[5.3 Installing INTREPIDLynx for ArcView 3 — page 13](#)

[5.4 Installing INTREPIDLynx for MapInfo — page 13](#)

5.1 Installing INTREPIDLynx for ERMapper

Parent topic:
Installation
notes for
INTREPIDLyn
x

To install the *ERMMapper* 6.0 or above version of INTREPIDLynx, use the following steps:

- 1 Add the Intrepid install path bin directory to your System path variable found in Computer Properties -> Advanced System Settings -> Environment Variables -> System variables. Select Path and click Edit and add the path
ie **C:\Program Files\Intrepid\Intrepid4.5.999\bin** where 999 is the build number.
- 2 Add Links to the **ermapper/config/dynamiclinks.erm** file.

Add the following lines

```
"Dynamic Links to Intrepid (for 6.0)" "" MENU
"Contours from Raster""Intrepid Colour Raster" "intrep_jlink.exe" TRUECOLOUR "$$CHOOSE=jcolcont.exe
$DEFAULT"
"Stack Profiles" "Intrepid Stack Profile" "intrep_jlink.exe" TRUECOLOUR
"$$CHOOSE=jstackplot.exe $DEFAULT"
"Line" "Intrepid Path Plot" "intrep_jlink.exe" TRUECOLOUR "$$CHOOSE=jpathplot.exe
$DEFAULT"
"Point/Symbol" "Intrepid Point Plot" "intrep_jlink.exe" TRUECOLOUR "$$CHOOSE=jpointplot.exe
$DEFAULT"
END
```

- 3 Restart *ERMMapper*

ERMMapper and INTREPID save the dynamic links settings in *install_path/algorithm*.

5.2 Installing INTREPIDLynx for ArcView 10

Parent topic:
Installation
notes for
INTREPIDLyn
x

We assume that you have already installed and licensed INTREPID.

- 1 Add the Intrepid install path bin directory to your System path variable found in Computer Properties -> Advanced System Settings -> Environment Variables -> System variables. Select Path and click Edit and add the path ie **C:\Program Files\Intrepid\Intrepid4.5.999\bin** where 999 is the build number.
- 2 In ArcView 10, choose **Tools > Customize > Add-In Manager**.
- 3 In the **Add-In Manager** dialog box, choose **Customize**.
- 4 In the **Customize** dialog box, choose **Add from File**.
- 5 Browse to *install_path\bin* and select **IntrepidLynxNET.tlb**.
- 6 In the **Customize** dialog box **Toolbars** list, check **IntrepidLynx**.

5.3 Installing INTREPIDLynx for ArcView 3

Parent topic:
Installation
notes for
INTREPIDLyn
x

We assume that you have already installed and licensed INTREPID.

\$ESRI is the location of the *ArcView* software.

- 1 Add the Intrepid install path bin directory to your System path variable found in Computer Properties -> Advanced System Settings -> Environment Variables -> System variables. Select Path and click Edit and add the path ie **C:\Program Files\Intrepid\Intrepid4.5.999\bin** where 999 is the build number.
- 2 Navigate to *install_path\lynxdata*.
- 3 Copy **avdlog.dll** into **\$ESRI\AV_GIS30\ARCVIEW\BIN32**.
- 4 Copy **avdlog.dat** into **\$ESRI\AV_GIS30\ARCVIEW\LIB32**.
- 5 Copy ***.avx** into **\$ESRI\AV_GIS30\ARCVIEW\EXT32**.

5.4 Installing INTREPIDLynx for MapInfo

Parent topic:
Installation
notes for
INTREPIDLyn
x

You need at least version 7.0 of *MapInfo*.

- 1 Add the Intrepid install path bin directory to your System path variable found in Computer Properties -> Advanced System Settings -> Environment Variables -> System variables. Select Path and click Edit and add the path ie **C:\Program Files\Intrepid\Intrepid4.5.999\bin** where 999 is the build number.
- 2 Start *MapInfo*.
- 3 Choose **File > Run MapBasic**.
- 4 Browse to and open *install_path\lynxdata\DFA_ERM.MBX*

6. Software development kit notes

Parent topic:
[INTREPID
Installation
guide \(S05\)](#)

We supply a free software development kit (SDK) with INTREPID. It is a simplified Application Programmer's Interface (API) to the INTREPID binary database. It includes Open, Create a database, Read/Write records or individual fields, Add Column, Multi-band data access and other programs.

The kit contains over 10 short C source program files and an example showing how to create and extend your own programs using the INTREPID *make* technology.

You can use any compiler, as long as it produces object code that is compatible with the supplied dynamic linked library (DLL). We include the DLL free of charge on the CD-ROM for all platforms. The first **test1** code file contains more detailed instructions and suggestions for getting started.

We have designed the basic database structure to be fast, flexible and simple. It uses a forward Index to point to the start of each new group of data in each channel. There is always a 512 byte header before the data. This contains metadata that is now mostly duplicated in the secondary **.vec**, **.ers** and **.isi** files.

For more information see the INTREPID User Manual [The INTREPID SDK and API \(R18\)](#).

For test data go to ***install_path/sample_data/examples/usercode***. For *Windows* applications, see the **Intrepid_IO visual C++** integrated sample project.

7. JetStream notes

Parent topic:
[INTREPID
Installation
guide \(S05\)](#)

To install JetStream:

- 1 Ensure that you have a full installation of INTREPID.
- 2 Install *Tomcat4*
- 3 Edit the configuration files to link our JSP API to your web pages.
- 4 Start *Tomcat4*
- 5 Monitor activity using the **catalina.log** file.

Example site: <http://www.ga.gov.au/gadds>

GDADS now supports cookie cutting for all GIS standard polygons and polylines. Available on all platforms.

8. Known Problems

Parent topic:
[INTREPID
Installation
guide \(S05\)](#)

- ArcMap Lynx support is not working since the move to Visual C++ 9.0
- MapInfo 7 Lynx support is not working since the move to Visual C++ 9.0
- The Radiometrics calibration tool is not performing some QC functions correctly.

9. Bug Fixes

Parent topic:
INTREPID
Installation
guide (S05)

- [INTBTA-522] - Proj/datum box not updating field names
- [INTBTA-594] - Select an invalid jpg causes project manager to terminate
- [INTBTA-731] - SimpleDocumentManager is so un-threadsafe it would be funny if it weren't true
- [INTBTA-790] - Rename operation no longer written to HISTORY
- [INTBTA-1108] - Jfmanager - Does not display large datasets in image window
- [INTBTA-1175] - Jfmanager - Does not handle multirate Geosoft databases correctly
- [INTBTA-1229] - Error message - cant find file after deleting it!
- [INTBTA-1246] - Renaming a grid does not change the ~Name = ~ statement inside the *.ers header
- [INTBTA-1342] - jfmanager: statistics for vectors/tensors seem odd or are not present
- [INTBTA-1350] - jfmanager crashes when tensor fields are reordered in dbedit
- [INTBTA-1368] - Crash Project Manager GUI with VERY BIG dataset
- [INTBTA-1381] - Datum/Proj box not updating recent field name changes
- [INTBTA-1425] - Histogram misleadingly labelled
- [INTBTA-1479] - java.lang.AssertionError: com.dfa.ui.UserInterfaceModel: attempt to modify after finished:
- [INTBTA-1598] - Jfmanager - Crashes when view a new GDB (no isi) containing Vect & Tensor data
- [INTBTA-1599] - Jfmanager - The histogram view for Vector and Tensor (array) data in a GDB produces strange results.
- [INTBTA-1611] - jfmanager crash on exit from dbedit
- [INTBTA-1667] - jgridding minq/mitre switching doesn't work loading a job file
- [INTBTA-1680] - MSI installer on Vista does not work with UAC enabled
- [INTBTA-1682] - Every time jfmanager is launched it pops up a Warning box saying 'Your license expires today'
- [INTBTA-1765] - Jfmanager - When displaying thumbnails of multiband fields from a GDB the Null members are not shown as Null but appear to display the last multiband that was not null?
- [INTBTA-1968] - Jfmanager - If have more than one set of projected coords in your db and you try to change the datum/proj of a coordinate pair that is not the current xy alias'd pair then the datum/proj dialog defaults to the xy alias'd pair not the field selected.
- [INTBTA-2008] - jfmanager behaviour
- [INTBTA-2093] - Various drivers and applications fail when a dataset suddenly becomes unreadable
- [INTBTA-2129] - jfmanager crashes if click on a gdb that is open in the Geosoft Free Viewer and move to the Stats TAB

[INTBTA-2174] - jfmanager crash on startup if last directory was a child of the desktop on mac os x

[INTBTA-2208] - gfilt - load a grd file and apply analytic signal filter; use defaults for output grid; gfilt crashes during the forward/reverse FFT transform; crash does not occur if replace .grd extension for output to .ers

[INTBTA-2211] - Linefilter - Variable continuation filter - This filter incorrectly refers to Altitude as Clearance; this is fatal if the Clearance alias is set to RadAlt.

[INTBTA-2217] - MapComp/MapPrint - The way point orientation data is displayed and Dip symbols are scaled has changed since the creation of the cookbook "Presenting regional depth and structure (C06)" was created

[INTBTA-2219] - MapPrint - Following the DGN fix it was discovered that Mif/Mid files also contain text rendered as lines.

[INTBTA-2221] - MapPrint - Following the Mif/Mid fix it was discovered that contours produced in mif/mid format are attributed to the first layer in the mif/mid file (A Line number field) instead of the Z value.

[INTBTA-2225] - Euler - The file names for the Input file and the Cluster file are not added to the Status section of the GUI; the fields remain blank providing no feedback to the user.

[INTBTA-2227] - Dataset Sampler - More than 1 tieline is required when creating a survey plan otherwise the frame is incompletely defined.

[INTBTA-2228] - Dataset Sampler - Set up a survey flight plan (200m lines) and save; load reference grid (80m celss); load survey plan; save reference to loaded dataset. Don't get the correct line spacing

[INTBTA-2229] - Jgridding - Slerp/Mitre gridding of the synthetic coal dataset contains artifacts which appear to be caused by changes to the shelling method.

[INTBTA-2232] - Remove Duplicates - The remove duplicates tool is completely broken - runs but does not delete duplicate rows

[INTBTA-2233] - Dbedit - When running a Replace using the "relrowm1(FID)" function to create a fid_diff channel on a moderately sized radiometrics database it regularly corrupts data at 5-10 Group intervals (Buffer problems?)

[INTBTA-2234] - Gfilt - Crashes when running a 1VD on small grid; appears to crash in the Retrieving Histogram Information stage before displaying the result.

[INTBTA-2235] - Asciiimport - Does not handle DateTime field when it appears in ASEG-GDF2 format; apparently exported from Intrepid

[INTBTA-2237] - Gridop - The Default output precision of 4ByteReal is ignored when resampling a grid;

[INTBTA-2239] - Gridop - Writes the wrong BandId Value to the ERMapper header file when extracting a product from a full tensor grid ie Tzz == Txx

[INTBTA-2240] - Jfmanager - Displays the Tensor coordinate system under Grid Metadata with the label "Coordinate System File". It should be "Coordinate System Type"

[INTBTA-2241] - Pedit - When carrying out a tensor related operation on a GDB and the output field contains Nulls (ie Tensor 4th Diff) then the value -5.0E75 is written

as the NULL value; this value is not recognised as Null in a Geosoft array!

[INTBTA-2245] - Gfilt - When running Variable RTP on a large grid (+500MB) using 64bit build the job never finishes (stops writing to temporary files in DECL section)

[INTBTA-2246] - Jgridding - Gridding a tensor with Mitre from a GDB in batch mode produces huge Max Residuals and a corrupt output grid; same data grids correctly in the GUI

[INTBTA-2247] - Mlevel - Anton Rada provided an example GDB where Mlevel fails to write the corrected field for all lines except the first in the database; there are Null values in the X,Y coordinate fields at the end of each line.

[INTBTA-2248] - Jgridding - When gridding a tensor the Mitre gridding option is toggled on by default (next to Iterations in Grid Refinement) but the Min Curv block is not active in Java tree; The Mitre option is not activated unless it is untoggled and then retoggled.

[INTBTA-2249] - Naudy - The line profiles and sources are flipped in the GUI when the line reverses direction (wrong when the bearing is negative); should use 0-360 azimuth angles for direction to avoid confusion

[INTBTA-2250] - Naudy - Export Naudy solution bodies to GeoModeller csv does not always work. Seems to depend on the save order?

[INTBTA-2258] - Import etc - Intrepid shapefile support for polygons is broken; they do not display in jfmanager, load in Dbedit or Import.

[INTBTA-2267] - Jfmanager - Does not update the isi file when a multiband field is deleted; it is necessary to exit and restart jfmanager

[INTBTA-2268] - Naudy - The Naudy solutions file contains the fields GS_Date, GS_Flight, GS_Line, GS_LType even when the output format is an Intrepid DB; when saves from Dbedit to GDB format, Dbedit crashes

[INTBTA-2297] - Jfmanager - Falcon Tensor grid stats are corrupt in v4.2.491;

[INTBTA-2299] - Jfmanager - The falcon tensor grid thumbnail displays as an all green postage stamp; the database falcon tensor field thumbnail displays as a black box (nothing).

[INTBTA-2302] - Jfmanager - If click on a database after import then the file is locked and cannot be deleted by Right Clicking on the file and selecting delete.

[INTBTA-2318] - Fmanager fails with unicode paths, e.g. "Carajas_Grids"

[INTBTA-2345] - memory leak for java apps running for several days

[INTBTA-2346] - grid_bispline_getobs.c:722:8: error: variable 'time_arrow' is uninitialized when used here

[INTBTA-2348] - Automated licence request on a new installation does not go to the licence administrator

[INTBTA-2356] - Jgridding - The non Pro version of jgridding crashes if it is started from jfmanager without first selecting a database; it also crashes if started from the command line without an argument.

[INTBTA-2357] - Jfmanager - When working in Dbedit using formulae to do such things as a conditional delete of groups jfmanager does not update its view of the database; for instance calculating the line statistics still reports the deleted groups/

lines

[INTBTA-2358] - A number of tools set datum/projections for non coordinate fields; it is not possible to remove/reset them in jfmanager; marine level appears to be one example of this behaviour.

[INTBTA-2364] - Jfmanager- The line stats calculator and csv exporter does not report the actual line identifier just a line/group counter; this limits its usefulness.

[INTBTA-2367] - Import - Import a geosoft grid in geosoft kx=-1 storage format (left bottom to top); import fails apparently because it does not correctly interpret the number of rows and columns in the input file.

[INTBTA-2368] - Cfilter - Compute a smoothed tensor (Tensor Convolutions); Information dialog popup says "Write:key 1162 out of range 869"; Click OK; Information dialog popup says "2D convolution completed without errors". However the output grid is Null filled!

[INTBTA-2369] - Jgridding - Gridding a tensor using Mitre from the GUI crashes after about 10 or so iterations of smoothing; using Mauritania FTG data.

[INTBTA-2370] - Gfilt - Does not work correctly in batch mode when using the subset option; creates an enormous (200x) expanded grid using the whole grid instead of the subset; batch file is saved from a successful GUI run and syntax appears to be correct.

[INTBTA-2372] - Jfmanager - For a Geosoft GDB: Does not allow the aliases X and Y for existing coordinate fields X and Y to be changed to another coordinate pair ie East and North; must manually edit the .isi file

[INTBTA-2373] - Import - Will not import a Geosoft Ascii Line xyz format file with only X and Y fields; produces unhelpful error messages in the GUI and in the log file; Geosoft free viewer imports this file without any problems.

[INTBTA-2377] - JFmanager does not update its view of a database when it's being edited by another process

[INTBTA-2380] - GDB Support - String line identifiers are not supported by Intrepid tools

[INTBTA-2381] - Worme - When save worme DB's to a gdb the first group has the first row duplicated for the whole of the first group; this happens for points, worms and line DBs

[INTBTA-2382] - Subset - Subsetting an Intrepid grid; Load grid; digitise a polygon describing a hole in the grid; save the poly to shapefile; set option to exclude inside poly; set an output grid; Apply - Crashes

[INTBTA-2384] - Shapefiles delivered by Intrepid for jetstream have points in an incorrect winding order according to ArcGIS 9.2 (Pirsa); Our poly/Shapefiles are stored with an anticlockwise order from OldGridStitch/GridOp

[INTBTA-2385] - AsciiImport - ASEG-GDF2 importer fails to decode the .dfn field positions correctly when there is a character field in the list

[INTBTA-2386] - Cfilter - Laplacian Error - Pot StdDev Estimate; Output is filled with a constant for the whole grid.

[INTBTA-2387] - Cfilter - Fourier Coeffs StdDev Estimate; Output is is an Empty grid

[INTBTA-2394] - Intrepid localisations are out of date and incomplete

[INTBTA-2395] - Cfilter - When computing FTG tensor convolutions the tool complains that the tensor coordinate system is not set when it is correctly set in the .isi file

[INTBTA-2396] - Jgridding - The Mitre smoothing option in Tensor gridding was changed and now uses a large amount of memory causing 32 Bit crashes on relatively small databases/grids

[INTBTA-2397] - Worme - The Euler depth estimates do not work and turning this option on produces bad values including some numeric overflow

[INTBTA-2398] - Naudy - produces errors about a missing/unrecognised local projection even though it is not related to the current x,y aliased coordinate pair

[INTBTA-2399] - Naudy - Problems with Dip/Strike ranges and GeoModeller export functionality; also it would be convenient to convert depths to elevations during the export process.

[INTBTA-2400] - Gfilt - The recently added option to compute the FTG potential in the FTG transform filter is not working. Error is "Unsupported Tensor Integration Query:6"

[INTBTA-2401] - Import - Importing a Geosoft Line XYZ format file does not import the tie lines. Stops at the first Tie line header ie Tie 960010

[INTBTA-2402] - Dbedit - The formula "END2FALCON" to convert an FTG Tensor (END) to a FALCON Tensor produces a corrupt tensor (bad statistics); looks like a problem with differencing Nulls.

[INTBTA-2406] - MapInfo Lynx - The MapInfo Lynx functionality does not work in MapInfo11; it crashes MapInfo immediately upon loading the MBX; in MapInfo7 it loads the MBX and displays the Intrepid menu but crashes when running the Intrepid options ie contouring

[INTBTA-2407] - Worme - RTP/IGRF options are not working correctly; do not produce the same answers as the Gfilt IGRF panel; do not stick when saving the job; changing the Survey Date beyond 2010 produces a Red warning highlight

[INTBTA-2408] - Jgridding - Does not reset correctly when changing input files during a single GUI session; the extents do not update correctly and other data related parameters are not reset; crashes if continue.

[INTBTA-2409] - Jgridding - does not reset correctly if change input field type from Numeric field to Tensor after running a gridding operation; it does not recognise the new field as a Tensor and Mitre is unavailable.

[INTBTA-2416] - jfmanager locking GDBs, preventing geosoft from editing them

[INTBTA-2417] - Remove obsolete tools from the installer - old gridding, old grid filter, old levelling

[INTBTA-2418] - iogeosoft seems to be broken in some usages, esp. levelling

[INTBTA-2419] - jasciiimport slow processing very large input data files

[INTBTA-2420] - Jfmanager - Huge memory allocation problem; Select Rovuma Rock1 gdb, load into dbedit; form tensor for Tnn_FA_lev; close Dbedit; Return to Jfman, click on new tensor field; Jfman begins stats calc; progress bar

appears;allocates a huge chunk of memory

[INTBTA-2421] - Jfmanager - Crashes on a GDB when changing the tensor coordinate system

[INTBTA-2422] - Dbedit - Try to edit a value in Rovuma Rock1 FTG for field Txx_fa_lev; the field for every row of that group is replaced by the Field next to it in the GDB ie Field Y

[INTBTA-2425] - crash showing tensor grid thumbnail in jfmanager

[INTBTA-2429] - gfilt tensor integration and other tensor filters has problems with thumbnail products not being cleaned up

[INTBTA-2430] - need to remove the GUI for fmanager and only keep it for stats and batch launching

[INTBTA-2434] - Crash attempting to histogram non number field

[INTBTA-2435] - Newlevel - Run a tieline levelling job in batch and save crossovers database; run a second levelling job in batch which reloads the saved Xovers and does a second levelling run; Intrepid crashes/hangs when reloading the Xovers database; see error log

[INTBTA-2438] - jfmanager crashes on database rename

[INTBTA-2439] - RE: Intrepid 4.5 Jgridding

[INTBTA-2440] - Want to clip rather than wrap profiles when the vertical scale is fixed

[INTBTA-2441] - FlightPath Editor - The QC Line Dataset Validation - Display Lines in Red. If try to save the validation field to a GDB then the tool crashes

[INTBTA-2442] - Linefilter - If 1st Line in database is all Null then Line Filter does not open its graphic display - basically it does not start.

[INTBTA-2443] - Select a Falcon tensor for gridding proceed to the output Tab and change the default cellsize and jgridding crashes

[INTBTA-2444] - When gridding the Preview/Progress image window is empty no progress updates occur

[INTBTA-2445] - If the cellsize is small enough to force tiling then jgridding crashes after the masking stage

[INTBTA-2446] - The Preprocessing TAB always displays nothing - no options are visible

[INTBTA-2447] - If choose Strict Extrapolate cells there are some white ghosts in the progress window but no output display on completion

[INTBTA-2448] - After gridding a non tensor field if return to the input Tab and select a tensor field for gridding the Grid Refinement and Output tabs do not update. The user must select/deselect the minimum curvature iterations button before the Grid Refinement And Out

[INTBTA-2449] - If try to select a non tensor variable for gridding after a tensor field has been selected then Jgridding crashes

[INTBTA-2450] - When select a tensor for gridding no Grid Refinement Masking options ie "Extrapolation Limits" are visible

- [INTBTA-2451] - When select a Falcon tensor for gridding there is no input display just an empty black box
- [INTBTA-2452] - visual tool PL histogram equalise now just shows white
- [INTBTA-2453] - Acquisition lines identified by... section on jGridding is completely borked
- [INTBTA-2457] - jgridding - impossible to select kernel size for minimum curvature - locked on 25 and cannot change in GUI
- [INTBTA-2459] - Do not build Geomodeller as part of Intrepid 4.x
- [INTBTA-2461] - gfilt not updating feedback views after running a filter
- [INTBTA-2462] - A grid with a lame datum/projection can give a NaN declination in gfilt, which then proceeds to crash
- [INTBTA-2463] - Grid FFT - The RTP Low Latitude (Inclination) algorithm only works if user enters positive LowLat angles; entering a negative angle for a negative inclination produces bad results; a positive angle produces acceptable results for negative inclinations.
- [INTBTA-2466] - jfmanager - odd behaviour when renaming files
- [INTBTA-2469] - Import ASEG-GDF2 format data to ..DIR does not create UserNotes block inside ISI file
- [INTBTA-2470] - crash opening a particular gdb in jfmanager
- [INTBTA-2471] - grd display in java tools is broken
- [INTBTA-2473] - Support 4 band tif
- [INTBTA-2474] - Jfmanager - Trouble when a database has more than one set of fields with projection/datum set; when try to change the x/y aliases and set the projection/datum the projection/datum is not set
- [INTBTA-2475] - Worme - crashes when doing worms on a small FTG database (Alemao); crashes when working on first continuation level;
- [INTBTA-2477] - Worme - De-selecting the Save Linear dataset option causes a crash
- [INTBTA-2478] - Worme - If generate worms more than once ie run more than once on a grid, the "output" directory should increment ie output1, output2. If do this manually on the second run worme blocks progress to the next tab with msg "output" directory already exists;
- [INTBTA-2479] - Jfmanager - The jfmanager thumbnail of a points database is not correct - it displays points with connected lines/spaghetti
- [INTBTA-2480] - jfmanager crashes when selecting a dataset just after deleting another one
- [INTBTA-2481] - jfmanager crashes when selecting a dataset while the jgridding tool is still up
- [INTBTA-2482] - jfmanager - Thumbnail for shapefile is inactive
- [INTBTA-2483] - Worme - worme does not load the file selected in jfmanager
- [INTBTA-2484] - Jfmanager - does not display the falcon components correctly

- [INTBTA-2485] - ESRI Ascii Grid export or saveas does not write the prj projection file
- [INTBTA-2486] - Profile Editor - crashes when load a third field into a superimposed view
- [INTBTA-2487] - Jgridding - crashes if use a subset polygon in shapefile format
- [INTBTA-2488] - Gridop - Extract tensor components to Zycor format
- [INTBTA-2489] - Import - does not handle a geosoft grd in kx=-1 format
- [INTBTA-2490] - Dbedit - Crashes when calculating a new output grid from a Geosoft grd (must use extension)
- [INTBTA-2491] - jfmanager does not display shapefiles as thumbnails
- [INTBTA-2493] - worme - FTG worming leaks memory at each continuation level; this is fatal on 32 bit even for a small ftg grid
- [INTBTA-2495] - Worme - All except the first ftg continuation level grids have Falcon band labels in the ers file
- [INTBTA-2496] - GFilt - FTG continued grids have Falcon band labels in the ers file and the coordinate system type is LOCAL in the .isi file
- [INTBTA-2497] - Jgridding - FTG tensor gridding takes no notice of the number of iterations and the residual set in the GUI - only does max 20 iterations
- [INTBTA-2498] - jfmanager thinks that worme ascii output files are esri ascii grids
- [INTBTA-2500] - performance regression in ioshape driver
- [INTBTA-2501] - Gfilt crash refreshing views
- [INTBTA-2503] - jfmanager - rename dataset in file table, changing its extension, corrupts data/does nothing/behaves badly
- [INTBTA-2505] - jfmanager sometimes gets confused if a process completely replaces a dataset underneath it
- [INTBTA-2506] - jfmanager sometimes does not refresh the view when an external process changes the selected dataset
- [INTBTA-2507] - GDB driver must support overwriting a pre-existing field
- [INTBTA-2510] - Ascii Import - If a fieldname in the header of a csv or space separated file begins with an underscore then the importer skips the fieldname and uses the next valid header for that field
- [INTBTA-2511] - jfmanager - needs to recover gracefully in the face of data corruption
- [INTBTA-2513] - jfmanager spuriously refreshes if another app's window is dragged over it
- [INTBTA-2514] - Jfmanager - Stats count on GroupBy's is totally wrong - appears to be half the point/fid count; Metadata Group counts are correct
- [INTBTA-2515] - Jfmanager - Any database change (ie XY Alias) triggers an update progress bar for LType and Line
- [INTBTA-2516] - Jfmanager - The Histogram labels do not change and two histograms may be superimposed when moving through the database fields

[INTBTA-2517] - Visual - When trace a polygon over a projected grid and save it to a ..DIR the X and Y aliases are not set and the thumbnail is not visible in Jfmanager

[INTBTA-2518] - Visual - When trace a polygon over a projected grid and save it to a Shapefile the .prj file is written but no proj is set in Jfmanager;

[INTBTA-2520] - Gfilt - Crashes after Falcon Gdd, gD transform filtering when attempting to display results in the output tab;

[INTBTA-2521] - Gfilt - When running Falcon Gdd, gD transform filtering on a 100MB Falcon tensor grid - Gfilt allocates 4.5 GB of memory

[INTBTA-2523] - Prevent unnecessary updation of ISI files

[INTBTA-2525] - Jfmanager - does not remember the last directory it was in if there is a crash or if change builds; appears to be writing the info to the installation path rather than the users home directory

[INTBTA-2526] - Jgridding - Defaults output grids to IEEE8ByteReal when in most cases (tensors excepted) the default should be IEE4ByteReal

[INTBTA-2527] - Crashes - Jfmanager and Jgridding

[INTBTA-2528] - Jfmanager - When changing from one DB to another Jfmanager keeps the same tab selection (ie Stats) when the user usually wants to see the Fields list first ie the new DB may not contain the same fields and the stats calc can be slow etc

[INTBTA-2531] - Crash when change field selection in combobox before first render finished in thumbnail

[INTBTA-2532] - progress bar not showing up when collecting stats/histogram in jfmanager

[INTBTA-2533] - Line stats view problems

[INTBTA-2535] - MITRE Falcon message is not displayed correctly

[INTBTA-2537] - worme layout problems (step 2)

[INTBTA-2538] - IGRF defaults to NaN when Latitude is -90°, and Latitude is -90° because getCentralPointAsGeodetic says so

[INTBTA-2541] - jfmanager icons in tree view not ideal on Windows 7

[INTBTA-2543] - Directory listing fails to sort on network volumes

[INTBTA-2544] - jfmanager editing datum/projection via combobox has rendering glitches

[INTBTA-2547] - Display->Histogram tool does not work for tensors (no histogram is displayed); statistics are not always the same as those displayed in jfmanager

[INTBTA-2548] - Gfilt - When running RTP the Inclination and Declination boxes display values right justified with 15 decimal places making the numbers unreadable (3 would be enough)

[INTBTA-2549] - jfmanager - Projection and Datum selection dialog box pops up when Right or Left click in any Tab ie Field, Alias, Datum, Proj which has a Datum or Projection set

[INTBTA-2550] - ProjConv - Attempt to overwrite 2 existing channels in a GDB with

a new projection output results in a never ending process; killing the process corrupts the gdb; seems like a problem with overwriting existing channels

[INTBTA-2553] - Installer finishing issues

[INTBTA-2554] - Update project manager docs to explain new options

[INTBTA-2557] - project manager is not hiding files as expected

[INTBTA-2558] - jfmanager - Tensor XY appears in the list for a Falcon Tensor when visualising the thumbnail - this should be removed

[INTBTA-2560] - Jfmanager - Does not correctly recognise the grd fileset ie .grd .grd.gi (binary grid info - Date, time, extents, proj/datum, stats) .grd.xml (grid metadata/history)

[INTBTA-2562] - Gfilt - Running Butterworth filter on a Falcon tensor crashes

10. Improvements

Parent topic:
INTREPID
Installation
guide (S05)

[INTBTA-1315] - Listing not alphabetic

[INTBTA-1339] - deleting a dataset by pressing the delete key does not work

[INTBTA-1340] - Renaming a file in jfmanager: the input focus is not set correctly

[INTBTA-2342] - Stats panel should show different stats for tensor fields

[INTBTA-2426] - Gridop uses too much memory when getting the difference between two large grids

[INTBTA-2427] - The visual tool should use nearest interpolation for queries if the interpolation is turned off

[INTBTA-2437] - Allow line and point thumbnail renderers to choose tensor query to display as per grids

[INTBTA-2465] - project manager set window title to include the selected file/directory

[INTBTA-2467] - Improve GridMerge feathering when grids overlap completely

[INTBTA-2468] - Improve Decorrugation by allowing the destriping to be limited by a polygon

[INTBTA-2524] - line stats should include all group by fields

[INTBTA-2431] - Want shp2kml functionality in the export tool

[INTBTA-2536] - Allow import of Arc Ascii Grids